

AUTOMOTIVE SYNCHRONIZED COMMUNICATION NETWORKS

Abstract of Disclosure

Frequency hopping spread spectrum transceivers in an automotive communication system are synchronized using timing information extracted from GPS satellites. A GPS receiver in each vehicle generates a pulse per second (PPS) signal. The FHSS transceiver in each vehicle communicates with a plurality of FHSS transceivers in other vehicles. Control logic synchronizes discovery of at least one FHSS transceiver in another automotive vehicle based on the PPS signal. Switching between piconets is also synchronized by the PPS signal.

Figures

Figure 1: A line graph showing the relationship between the number of hours spent on a task and the number of errors made. The x-axis represents 'Hours' (0 to 10) and the y-axis represents 'Errors' (0 to 100). The data points are as follows:

Hours	Errors
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100